

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2002-105765

(43) Date of publication of application : 10.04.2002

(51) Int.Cl.

D01F 9/127
B82B 1/00
B82B 3/00
C01B 31/02

(21) Application number : 2000-297658

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(22) Date of filing : 28.09.2000

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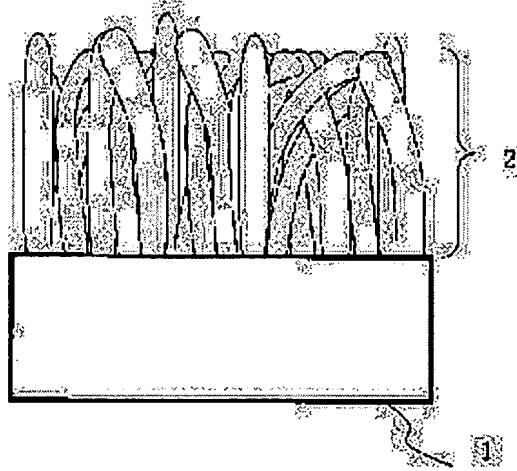
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(54) CARBON NANOFIBER COMPOUND AND METHOD FOR PRODUCING CARBON NANOFIBER

(57) Abstract:

PROBLEM TO BE SOLVED: To grow carbon nanofibers in a high density on the surface of a substrate.

SOLUTION: When a substrate 1 comprising the intermediate phase of nickel oxide and magnesium oxide is disposed in a reducing atmosphere, the nickel oxide is selectively reduced and deposited. Since the nickel deposited from the intermediate phase is uniformly and densely disposed on the surface of the substrate in a fine size, the carbon nanofibers 2 grown from the nickel are also fine, uniform and dense.



LEGAL STATUS

[Date of request for examination] 28.09.2000

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number] 3469186

[Date of registration] 05.09.2003

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]